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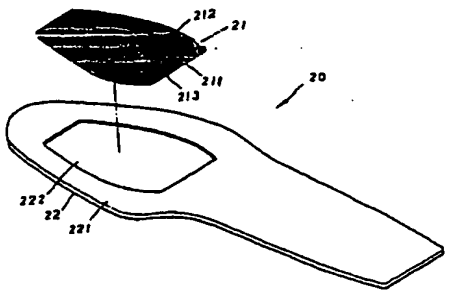
权利要求书 1 页 说明书 3 页 附图页数 2 页

[54]实用新型名称 具有可变化色彩结构的鞋底

[57]摘要

一种具有可变化色彩结构的鞋底，包括一鞋本底和一彩色花纹 片体，鞋本底底面前段的中央处凹设有一与彩色花纹片体呈相同外 型的结合槽，彩色花纹片体容设在所述结合槽内；采用此种鞋底能 通过彩色花纹片体的布层呈现出高度色彩以及多种花纹的美感，以 达整体更具丰富变化性及美观性，且当外销至国外时，可大幅降低关税费用。



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说　明　书

具有可变化色彩结构的鞋底

本实用新型涉及鞋，尤其涉及一种具有可变化色彩结构的鞋底。

目前一般鞋底 10 结构（如图 1 所示是为习用鞋底的立体外观图），均是以塑胶（或橡胶）注入模具的模穴内，再直接以模具压射成型型出，而成型型出鞋底 10 的外型，及同时在鞋底 10 底面 11 前段的脚掌中央处一体成型压出一片连续花纹 12，鞋底 10 与花纹 12 均为塑胶（或橡胶）一体制成。

如上所述习用结构，具有下列缺点：（一）此结构的鞋底 10 因仅以塑胶（或橡胶）直接一体压射成型型出，故鞋底 10 与花纹 12 整体均为塑胶（或橡胶）材质，若当鞋底 10 外销至国外时，由于国外对于塑胶物品及橡胶物品课税费用极重，相对增加关税费用；（二）因鞋底 10 底面 11 前段的脚掌中央处压出与塑胶（或橡胶）呈相同且固定色系的花纹 12，因而整体外观极为单调且不美感。

本实用新型的目的在于提供一种底面整体不完全为塑胶（或橡胶）材质的、外销至国外可大幅度降低关税费用的、美观且富有变化性的具有可变化色彩结构的鞋底。

为实现上述目的，本实用新型对鞋底结构作如下改进：一种具有可变化色彩结构的鞋底，包括一鞋本底和一彩色花纹片体，鞋本底底面前段的中央处凹设有一与彩色花纹片体呈相同外型的结合槽，彩色花纹片体容设在所述结合槽内。

其中：鞋本底为塑胶或橡胶材质，彩色花纹片体包括一具有色彩的布层和与布层结合为一体的塑胶或橡胶层；彩色花纹片体热熔容设于所述结合槽内。

由于本实用新型的彩色花纹片体和鞋本底各自单独制作，然后再结合在一起，其彩色花纹片体上的布层可不限材质更换使用，故可使用具有各式花纹色彩或相混合的布层，藉此能制造出具有高度色彩及多种花纹的鞋底，而更具变化性及美观性；由于鞋底整体不全部为塑胶或橡胶材质，当外销至国外时，可

大幅降低关税费用。

以下结合附图和较佳实施例对本实用新型作进一步详细说明。

图 1 是习用鞋底的立体外观图。

图 2 是本实用新型的立体分解图。

图 3 是本实用新型的立体组合图。

图 4 是本实用新型的组合剖面图。

如图 2 本实用新型立体分解图所示，其鞋底 20 是由一彩色花纹片体 21 与一 鞋本底 22 置于模具内以热压射出成型方式结合而成，其中彩色花纹片体 21 是以一片具有色彩的布层 211 置入模具的模穴内，并于布层 211 一侧表面注入塑胶（或橡胶）而热压结合出一与布层 211 呈相同外型且薄状的彩色花纹片体 21，同时使布层 211 表面热压成型出连续的花纹 212，且使底面形成有塑胶层（或橡胶层）213，鞋本底 22 通过塑胶（或橡胶）注入模具的模穴内，而射出成型出鞋底 20 的外型，同时使鞋本底 22 底面 221 在前段的中央处凹设出一与彩色花纹片体 21 呈相同外型的结合槽 222。

其组合时，如图 3 本实用新型的立体组合图（并请同时参考图 4 本实用新型的组合剖面图）所示，先将彩色花纹片体 21 置于一侧模具的模穴内，且将鞋本底 22 置于另一侧模具的模穴内，而后将二模具相结合，使彩色花纹片体 21 底面的塑胶层（或橡胶层）213 刚好容置帖于鞋本底 22 的结合槽 222 内，再以热压射出成型方式，将彩色花纹片体 21 底面的塑胶层（或橡胶层）213 与纹底 22 结合槽 222 的塑胶（或橡胶）相热熔结合成一体，而使鞋本底 22 整体的底面 221 能以彩色花纹片体 21 的布层 211 本身色彩及花纹 212 呈现出美感。

藉由上述具体实施例的结构，可得到下述效果：（一）其鞋本底 22 所结合的彩色花纹片体 21 能将其布层 211 本身的色彩及花纹 212 呈现出，故鞋本底 22 的整体底面 221 不完全为塑胶（或橡胶）材质，若将该鞋底 20 外销至国外时，可使关税的费用大幅降低；（二）其彩色花纹片体 21 上的布层 211 可不

限材质及色彩予以更换使用，故可使用具有各式花纹 212 与色彩或混合的布层 211，藉此能制造出具有高度色彩及多种花纹 212 的鞋底 20，而更具丰富变化性及美观性。

权 利 要 求 书

1、一种具有可变化色彩结构的鞋底，包括一鞋本底和一彩色花纹片体，其特征在于：鞋本底底面前段的中央处凹设有一与彩色花纹片体呈相同外型的结合槽，彩色花纹片体容设在所述结合槽内。

2、如权利要求 1 所述具有可变化色彩结构的鞋底，其特征在于：所述鞋本底为塑胶或橡胶材质；所述彩色花纹片体包括一具有色彩的布层和与布层结合为一体的塑胶或橡胶层。

3、如权利要求 2 所述具有可变化色彩结构的鞋底，其特征在于：所述彩色花纹片体热熔容设于所述结合槽内。

说 明 书 附 图

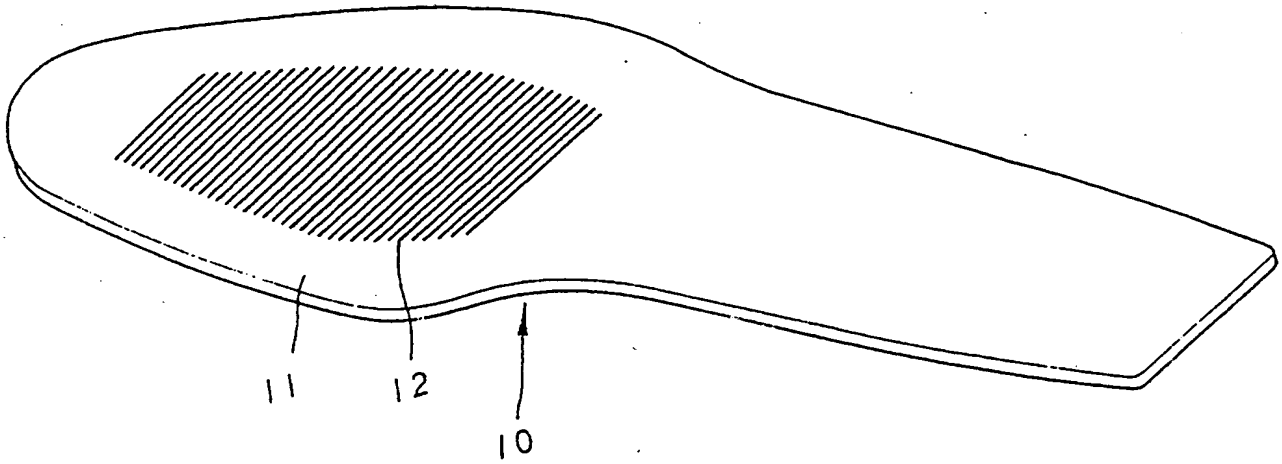

图 1

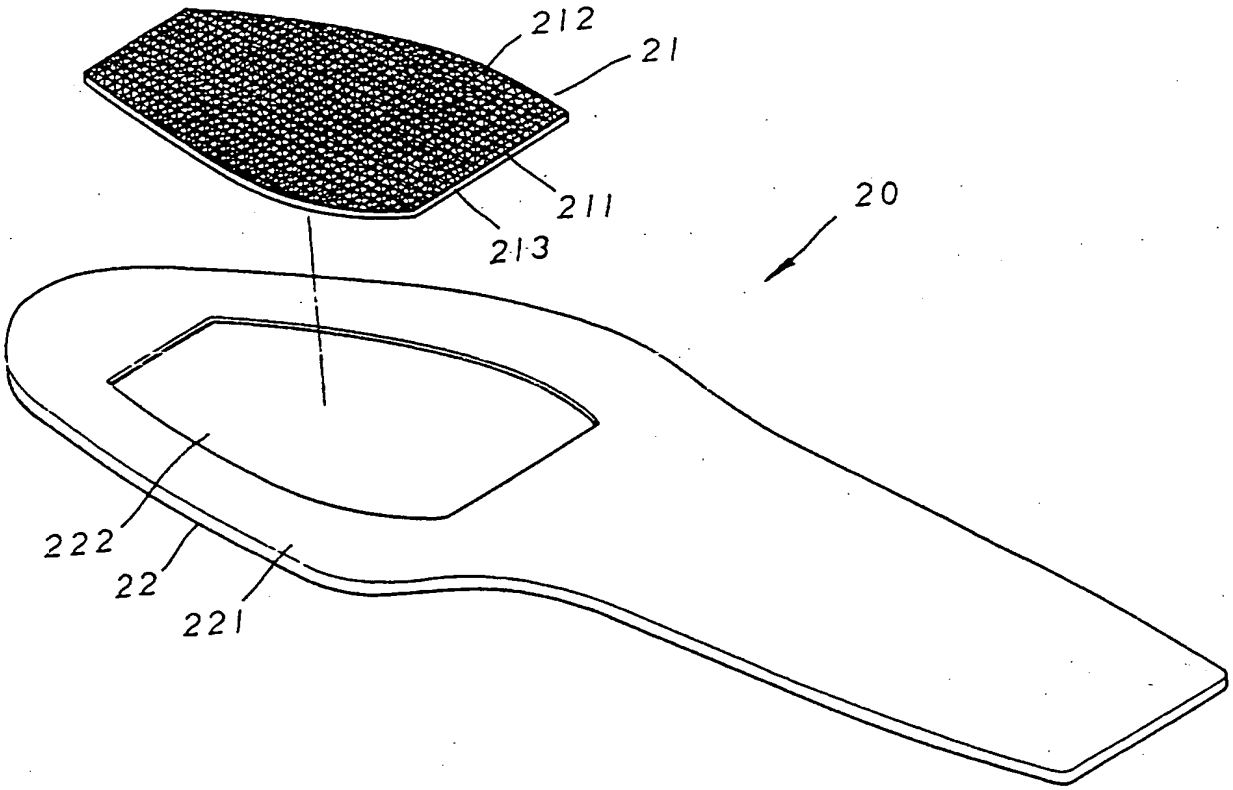

图 2

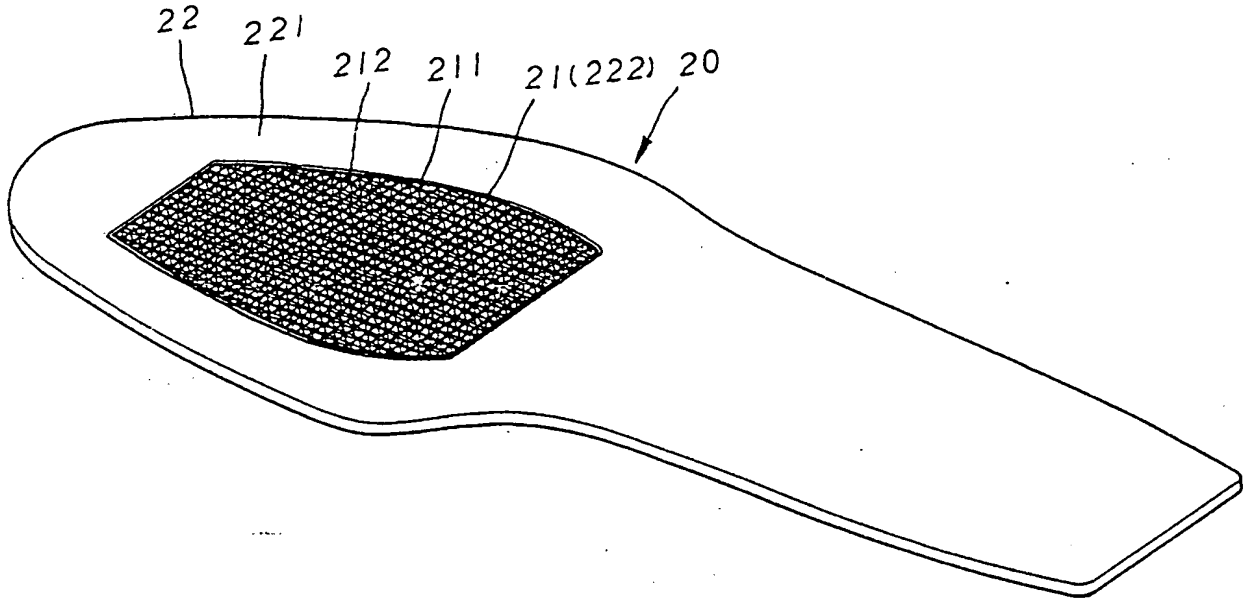

图 3

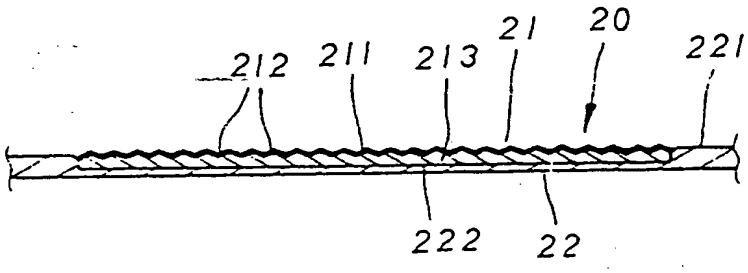

图 4

Sole Having a Variable Color Structure

Abstract

A sole having a variable color structure includes a sole body and a color pattern sheet. A groove is provided in the center of the front area of a bottom of the sole body, which has the same shape as the color pattern sheet, and said color pattern sheet is mounted in the groove. By using a fabric layer on the color pattern sheet, the sole of the present Utility Model exhibits a colorful appearance and a beautifully variant pattern. In addition, when the sole is exported, the customs can be reduced greatly.

Background of the Invention

The present Utility Model refers to a sole having a variable color structure.

Currently, the shape of a conventional sole 10 (as shown in Fig. 1) is formed by injecting plastic (or rubber) into a mold. At the same time, a series of patterns 12 is molded on the center of the front area of the bottom 11 of the sole 10. The sole 10 and the pattern 12 are molded integrally and made entirely of plastic (or rubber).

The described conventional sole 10 has the following drawbacks:
(1). Because the sole 10 and the pattern 12 are formed integrally, the material of the sole 10 and the pattern 12 are all plastic (or rubber). Because import duties of foreign countries are heavier on plastic or rubber products, if the sole 12 is exported, the customs on the sole 12 is higher.
(2) Because the pattern 12 has the same color and fixed pattern as the sole 10, the overall appearance is very dull and lacks an aesthetic appearance.

The objective of the present Utility Model is to provide a sole that is not entirely made of plastic (or rubber). Therefore, the customs can be reduced greatly when the sole is exported and a beautiful sole full of variability has a variable color structure.

To achieve the above-mentioned objectives, the present Utility Model was improved as followed: a sole having a variable color structure includes a sole body and a color pattern sheet. On the center of the bottom of the sole a groove having the same shape as the color pattern sheet received therein is provided.

Wherein, the sole body is made of plastic or rubber, and the color pattern sheet includes a color fabric layer and a plastic (or rubber) layer combined therewith. Said color pattern sheet is received in the groove.

Because the color pattern sheet and the sole body of the present Utility Model are made individually and then both are combined together, the changeable fabric layer of the color pattern sheet is not limited to one material. Therefore, the color pattern sheet can use a fabric layer having any pattern, color or the combination of the pattern and color so that a sole with a colorful and variable pattern can be create. The sole will have more variability and aesthetics. Because the material of the sole is not entirely plastic or rubber, when the sole is exported abroad, the customs will be reduced greatly.

Brief Description of the Drawings

Fig. 1 is a perspective view of a conventional sole.
Fig. 2 is an exploded perspective view of the present Utility Model.

Fig. 3 is a perspective view of the present Utility Model.
Fig. 4 is a cross-sectional side plan view of the present Utility Model.

Description of a Preferred Embodiment

As shown in Fig. 2, the sole 20 is formed by a thermal pressing method to combine the color pattern sheet 21 and a sole body 22 with both placed in the mold halves. Wherein, the color pattern sheet 21 is formed by placing a color fabric layer 211 in a cavity of a mold and injecting plastic (or rubber) onto one surface of the fabric layer 211. At the same time, a series of patterns 212 is formed on the outside surface of the fabric layer 211. A plastic (or rubber) layer 213 is formed on the other side of the fabric layer 211. The sole body 22 is formed by injecting plastic (or rubber) into the mold. At the same time, on the center of the front area of the bottom 221 of the sole body 22 a groove 222 having the same shape as the color pattern sheet 21 is provided.

As shown in Fig. 3 and fig.4, the color pattern sheet 21 is first placed in the cavity of one mold half and the sole body 22 is placed in the cavity in the other mold half. Then, by combining the two mold halves, the plastic (or rubber) layer 213 on one surface of the color pattern sheet 21 is just received in the groove 222 of the sole body 22. Then, by means of thermal pressing, the plastic (or rubber) layer 213 on one surface of the color pattern sheet 21 is melted and combined with the groove 222 of the sole body 22 so that the overall bottom 221 of the sole body 22 exhibits aesthetics owing to the color and pattern 212 of the fabric layer 211 of the color pattern sheet 21.

By using the above-mentioned structure of an embodiment of the present Utility Model, the effectiveness is achieved as followed:
(1). The sole body 22 combines the color pattern sheet 21 that can show the color and the pattern 212 of the fabric layer 211. Therefore, the material of the sole 20 is not entirely plastic (or rubber). If the sole 20 is exported, the customs are reduced greatly.
(2). The fabric layer 211 on the color pattern sheet 21 is not limited to one material and one color, which is changeable. Therefore, the fabric layer 211 can use various patterns 212 and colors or the combination of the pattern 211 and color. This can create the sole 20 having variant pattern 212 and colorful appearance.

CLAIMS

1. A sole having variable color structure comprising:
a sole body; and
a color pattern sheet;
characterized in that
on the center of the front area of the bottom of the sole body a groove having the same shape as the color pattern sheet is provided, said color pattern sheet is received in the groove.

2. The sole of claim 1, characterized in that the material of the sole body is plastic or rubber; and
said color pattern sheet includes a color fabric layer and a plastic or rubber layer combined with the fabric layer, the fabric layer and said plastic or rubber layer are formed integrally.

3. The sole of claim 2, characterized in that said color pattern sheet is received in the groove.